



Republic of the Philippines  
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
**CENTRAL OFFICE**  
Manila



June 10, 2024

**MEMORANDUM**


**TO :** **KHADAFFY D. TANGGOL**  
Regional Director  
DPWH-Cordillera Administrative Region (CAR)  
Engineer's Hill, Baguio City

**ATTENTION :** **REX K. OYA-OY**  
OIC-District Engineer  
Benguet 2<sup>nd</sup> District Engineering Office  
Natubleng, Buguias, Benguet

Transmitted herewith are the **APPROVED** requests for the **modification** of hereunder stated projects:

1. OO2: Protect Lives and Properties Against Major Floods - Construction/ Maintenance of Flood Mitigation Structures and Drainage Systems - *Construction of Flood Mitigation Structure within Amburayan River: along Amburayan River Tributary, Central Kapangan Section, Sta. 8+125 - Sta. 8+193 (R.S), Sta. 8+125 - Sta. 8+265 (L.S.), Sta. 0+000 - Sta. 0+070 (L.S), Kapangan, Benguet* - - - - - **P15,000,000.00.**
2. OO1: Ensure Safe and Reliable National Road System - Asset Preservation - Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide - Tertiary Roads - *Gov. Bado Dangwa National Rd - K0299+454 - K0299+489, K0304+930 - K0305+003, K0305+940 - K0306+015, K0308+585 - K0308+650, K0309+780 - K0309+860* - - - - - **P18,770,000.00.**
3. OO1: Ensure Safe and Reliable National Road System - Network Development - Off-Carriageway Improvement - Secondary Roads - *Baguio-Bontoc Rd - K0327+250 - K0327+700* - - - - - **P10,916,000.00.**

Please be reminded that all approved modifications **shall be posted in the DPWH website within five (5) days** from its approval. Failure to comply with this requirement shall be dealt with accordingly.

  
**REY PETER B. GILLE. D.M.**  
Assistant Secretary for Regional Operations  
in CAR, Regions I, II, IX, X, XI, XII and XIII

**Project Modification of Allotment under the GAA Request Evaluation Form**

Date of Evaluation:

05/16/2024

<b>P/A/P 1 (001, 002, CSSP, LP):</b>	<b>Appropriation Source:</b>	FY 2024 GAA
ORGANIZATIONAL OUTCOME 1 : Ensure Safe and Reliable National Road System	<b>UACS:</b>	310208100584000
<b>P/A/P 2 (Program):</b>	<b>Project ID:</b>	P00800274LZ
Network Development Program	<b>Region:</b>	Cordillera Administrative Region
<b>P/A/P 3 (Sub-Program):</b>	<b>Implementing Office:</b>	Benguet 2nd District Engineering Office
Off-Carriageway Improvement - Secondary Roads	<b>Appropriation (Php):</b>	10,916,000

Name of Project per GAA:

Baguio-Bontoc Rd - K0317 + 320 - K0317 + 639, K0317 + 750 - K0318 + 100, K0318 + 700 - K0319 + 200

Implementing Office  
A Justification for  
Modification:

- The change in station limit was necessary to include identified critical sections along the river bank to support sections that show signs of possible erosion, excluding portions and stations that have stable rock slopes and do not need mitigation structures.
- The decrease in physical target is due to the need to change in design from rubble concrete to stone masonry with concrete armor; and the computed hauling cost of materials.

A.1 ☒ Certificate of Reasonableness of Cost Estimate by: RD Khadaffy D. Tanggol dated: March 20, 2024

**B. PER PLANNING SERVICE EVALUATION**

B.1 ☒ **PROJECT MODIFICATION ON PROJECT DESCRIPTION**

B.1.1 ☐ Typographical Error/s

B.1.3 ☒ Change in Station Limits

B.1.2 ☐ Change in Location (for non-existent locations only)

B.1.4 ☐ Addition/ Deletion of Word/s

B.2 ☒ **PROJECT MODIFICATION/ADJUSTMENTS ON PROJECT COMPONENTS**

B.2.1 ☒ Change in Targets

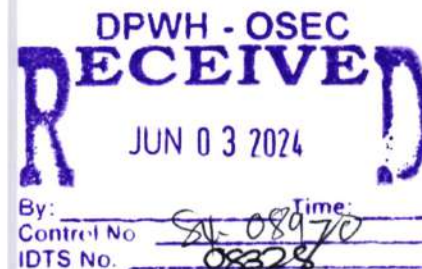
B.2.3 ☒ Change in Component Amount

B.2.2 ☐ Change in Scope of Work

B.2.3.1 ☒ Addition of Component (including excess amount)

B.2.3.2 ☐ Deletion of Component

B.2.3.3 ☒ Movement of Funds between Components

**C. RESULTANT AFTER MODIFICATION**

C.1 ☒ Additional Project Component/s

C.2 Component/s:

COMP	SCOPE OF WORK		TARGET		INCREASE/DECREASE (%)	
	FROM	TO	FROM	TO	Unit Cost	Target
CW1	Off-Carriageway Improvement: Paving of Shoulders	Off-Carriageway Improvement: Paving of Construction of Road Slope Protection Structure	5,215.50 sq. meters	1,853.60 sq. meters	59.03%	-64.46%
CW2	-	-	-	488.0 sq. meters	55.55%	-35.71% *
CW3	-	-	-	-		
CW4	-	-	-	-		

**D. AS EVALUATED**

D.1 ☒ ALLOWED as per the GAA Provisions

D.2 ☐ NOT ALLOWED as per the GAA Provisions

D.3 Remarks (to be filled-up by Planning Service):

- Change in Station Limits with SLD
- Decrease in Target and Increase in Unit Cost without Changes in PDM
- BOC Reviewed Unit Cost for CW1 and CW2 thru Memorandum dated 02 May 2024, of Director Allap Borromeo

Evaluated By:

ALEX B. BOTE

Director, Planning Service

Noted By:

CONSTANTE A. LLANES JR., CESO III

Assistant Secretary, Planning Service

**E. Approving Authority as per latest Approved Guidelines on Modification of Allotment under the GAA**

E.1 ☒ Secretary

E.2 ☐ Undersecretary for Operations

☒ Recommended for Approval  
Remarks: Cabral

MARIA CATALINA E. CABRAL, CESO I, Ph.D.

Undersecretary for Planning and PPP Services





Republic of the Philippines  
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
**OFFICE OF THE SECRETARY**  
Manila



May 02, 2024

**MEMORANDUM**

**FOR : MANUEL M. BONOAN**  
Secretary  
This Department

This refers to the memorandum dated April 1, 2024 of **DPWH CAR Regional Director KHADAFFY D. TANGGOL**, endorsing the request of **OIC-District Engineer REX K. OYA-OY, Benguet Second District Engineering Office**, for the **modification** of the project under FY 2024 GAA, to wit;


As per GAA/Original			As Modified		
Project Description					
<b>UACS No. : 310208100584000</b> <b>Project ID: P00800274LZ</b>  OO1: Ensure Safe and Reliable National Road System - Network Development - Off-Carriageway Improvement - Secondary Roads  Baguio-Bontoc Rd - K0317 + 320 - K0317 + 639, K0317 + 750 - K0318 + 100, K0318 + 700 - K0319 + 200			  OO1: Ensure Safe and Reliable National Road System - Network Development - Off-Carriageway Improvement - Secondary Roads  Baguio-Bontoc Rd - <b>K0327+250 - K0327+700</b>		
Type of Work/ Physical Target	Unit Cost	Allocation	Type of Work/ Physical Target	Unit Cost	Estimated Cost
CW1 - Off-Carriageway Improvement: Paving of Shoulders / 5,215.5 Square meters	₱ 2,051.13 / Square meters	₱ 10,697,680.00	CW1 - Off-Carriageway Improvement: Paving of Shoulders / <b>1,853.6</b> Square meters	<b>₱ 3,261.94 /</b> Square meters	<b>₱ 6,046,329.00</b>
			<b>CW2 - Construction of Road Slope Protection Structure / 488 Square meters</b>	<b>₱ 9,531.46 /</b> Square meters	<b>₱ 4,651,351.00</b>
EAO	—	₱ 218,320.00	EAO	—	₱ 218,320.00
<b>Total:</b>		<b>₱ 10,916,000.00</b>	<b>Total:</b>		<b>₱ 10,916,000.00</b>
<b>Justification:</b> The change in station limits, and the decrease in physical target for CW1 – Off-Carriageway Improvement: Paving of Shoulders from 5,215.5 square meters to 1,853.6 square meters and the addition of a new component, CW2 – Construction of Road Slope Protection Structure are due to the following:					

AG-10-202405-01340

- The change in station limit was deemed necessary to prioritize K0327+250 – K0327+700 which was observed to have frequent vehicular accidents. The said section is both a sharp and a blind curve with a small turning radius, making it hard for big trucks to maneuver and for drivers who are unfamiliar with the topography of the area since their visibility of incoming traffic is obstructed by the existing seedling nursery structures along the road, thus, the need for an off-carriageway improvement that will help reduce these risks and which will also serve as an alternate route/detour. This change consequently caused the decrease in the physical target.
- The addition of another component, CW2 – Construction of Road Slope Protection Structure, was deemed necessary due to the need to introduce a Road Slope Protection Structures to prevent settlement and to fortify the adjacent slope where the proposed shoulder is to be constructed.
- The increase in the unit cost is brought upon by the need to include the reconstruction of the adjacent damaged PCCP to optimize the lifespan of the off-carriageway structure, and to lengthen and rehabilitate the nearby existing drainage structures to prevent the recurrence of flooding in the area.
- The derived unit cost is based on the approved Program of Work (POW) with Detailed Unit Price Analysis (DUPA). Furthermore, the unit cost has been evaluated and reviewed by the Bureau of Construction (BOC). See attached evaluation dated May 2, 2024 from the Bureau of Construction.
- See attached Certificate of Reasonableness of Estimates approved by the Regional Director.

Attached are the following supporting documents: Approved Program of Works (POW), Detailed Engineering Design (DED), Certificate of Availability of Funds, BP202, Geotagged Photos, GIS Map, Evaluation from the Bureau of Construction, and Certificate of Reasonableness of Unit Cost.

Based on our evaluation, the submitted request for modification of the said project is in order, hence, approval hereof is recommended.

  
**REY PETER B. GILLE, D.M.**

Assistant Secretary for Regional Operations  
in CAR, Regions I, II, IX, X, XI, XII and XIII

**RECOMMENDING APPROVAL:**

  
**MARIA CATALINA E. CABRAL, Ph.D., CESO I**

Undersecretary for Planning  
and Public-Private Partnership Services

  
**EUGENIO R. PIHO, JR.**

Undersecretary for Regional Operations  
in CAR, Regions I, II, IX, X, XI, and XIII

**APPROVED/~~DISAPPROVED~~:**

  
**MANUEL M. BONOAN**  
Secretary

2.3 mksa/MLS/AVS/RPBG/ERP

Department of Public Works and Highways  
Office of the Secretary



WIN4E03417





Republic of the Philippines  
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
**CENTRAL OFFICE**  
Manila



May 2, 2024

**MEMORANDUM**

**FOR : Undersecretary EUGENIO R. PIPO, JR.**  
For Regional Operations in CAR, Region I, II, X, XI, XII and XIII

**SUBJECT : Request for Approval of Modification of Projects under FY 2024 GAA:**

**1. 001: Ensure Safe and Reliable National Road System – Asset Preservation – Rehabilitation/ Reconstruction of National Roads with Slips, Slope Collapse, and Landslide – Tertiary Roads**

Gov. Bado Dangwa National Rd – K0299+454 – K0299+489, K0304+930 – K0305+003, K0305+940 – K0306+015, K0308+585 – K0308+650, K0309+780 – K0309+860

**2. 001: Ensure Safe and Reliable National Road System – Network Development – Off-Carriageway Improvement – Secondary Roads**

Baguio – Bontoc Rd – K0327+250 – K0327+700

**3. 002: Protect Lives and Properties Against Major Floods – Construction/ Maintenance of Flood Mitigation Structures and Drainage Systems**

Construction of Flood Mitigation Structure within Amburayan River: along Amburayan River Tributary, Central Kapangan Section, Sta. 8+125 – Sta. 8+193 (R.S.), Sta. 8+125 – Sta. 8+265 (L.S.), Sta. 0+000 – Sta. 070 (L.S.), Kapangan, Benguet

Forwarded herewith are the results of the evaluation for the above-mentioned projects, which were referred to this office for review and evaluation.

**PROJECT NO. 1**

The requested amount of **P18,770,000.00** (inclusive of EAO) for the 920 square meters slope protection structure along Gov. Bado Dangwa National Rd – K0299+454 – K0299+489, K0304+930 – K0305+003, K0305+940 – K0306+015, K0308+585 – K0308+650, K0309+780 – K0309+860, may be considered reasonable as evaluated subject to updating of cost/price prior to bidding based on the items of work involved and its corresponding quantities as reflected in the Approved Program of Works (POW) and Detailed Engineering Design Plan, duly approved by the OIC-District Engineer, Benguet Second District Engineering Office.

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT Weight (%)
<b>CW-1</b>	<b>Construction of Road Slope Protection Structure</b>		
Part B	Other General Requirements	P 495,281.35	2.69%
Part C	Earthworks	P 726,423.61	3.95%
Part D	Subbase and Base Course	P 190,926.10	1.04%
Part E	Surface Course	P 3,303,216.69	17.96%
Part F	Plain Reinforced Structures	P 12,847,211.93	69.84%
Part G	Drainage and Slope Protection Structures	P 548,618.58	2.98%
Part H	Miscellaneous Structures	P 282,928.01	1.54%
	<b>GRAND TOTAL</b>	<b>P 18,394,606.27</b>	<b>100.00%</b>

Cost per square meter=  $\frac{P17,899,324.92}{920 \text{ square meters}}$  = P19,455.79 /square meter  
(Except Part B)

The estimated cost of P19,455.79 per square meter of slope protection structure is primarily attributed to the concreting of 268 square meters 0.28-meter thick unreinforced PCCP and 428.80 square meters 0.30-meter thick reinforced PCCP, and 25 meters length of 6-meter height retaining wall, which accounts for 97.31% of the total project cost. Since these are the major items of work for the project, it is considered reasonable as the unit costs of the items involved are within the prevailing cost range of the Department.



**PROJECT NO. 2**

The requested amount of **P10,916,000.00** (inclusive of EAO) for the 1,853.60 square meters Off-Carriageway Improvement: Paving of Shoulders, Baguio – Bontoc Rd – K0327+250 – K0327+700, may be considered reasonable as evaluated subject to updating of cost/price prior to bidding based on the items of work involved and its corresponding quantities as reflected in the Approved Program of Works (POW) and Detailed Engineering Design Plan, duly approved by the OIC-District Engineer, Benguet Second District Engineering Office.

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT Weight (%)
<b>CW-1</b>	<b>Off-Carriageway Improvement: Paving of Shoulders</b>		
Part B	Other General Requirements	P 400,695.19	3.75%
Part C	Earthworks	P 221,160.28	2.07%
Part D	Subbase and Base Course	P 256,682.65	2.40%
Part E	Surface Course	P 4,348,159.24	40.65%
Part F	Plain Reinforced Structures	P 593,763.14	5.55%
Part G	Drainage and Slope Protection Structures	P 101,976.59	0.95%
Part H	Miscellaneous Structures	P 123,914.11	1.15%
<b>CW-2</b>	<b>Construction of Road Slope Protection Structure</b>		
Part C	Earthworks	P 295,164.49	2.76%
Part F	Plain Reinforced Structures	P 216,160.43	2.02%
Part G	Drainage and Slope Protection Structures	P 4,140,028.53	38.70%
	<b>GRAND TOTAL</b>	<b>P 10,697,704.65</b>	<b>100.00%</b>

CW-1 Off-Carriageway Improvement: Paving of Shoulders

$$\text{Cost per square meter} = \frac{\text{P5,645,656.01}}{1,853.6 \text{ square meters}} = \text{P3,045.78 /square meter}$$

(Part C, D, E, F, G and H of CW-1)

CW-2 Construction of Road Slope Protection Structure

$$\text{Cost per square meter} = \frac{\text{P4,651,353.45}}{488 \text{ square meters}} = \text{P9,531.46 /square meter}$$

(Part C, F and G of CW-2)

The estimated cost of P3,045.78 per square meter of structure is primarily attributed to the concreting of 983.60 square meters 0.28-meter thick unreinforced PCCP and 870.00 square meters 0.30-meter thick reinforced PCCP, while the P9,531.46 per square meter of structure is majority due to provision of 42 meters 8 meter-height gabion, both of which accounts for 96.25% of the total project cost. Since these are the major items of work for the project, it is considered **reasonable as the unit costs** of the items involved are within the prevailing cost range of the Department.

**PROJECT NO. 3**

The requested amount of **P15,000,000.00** (inclusive of EAO) for the Construction of Flood Mitigation Structure within Amburayan River: along Amburayan River Tributary, Central Kapangan Section, Sta. 8+125 – Sta. 8+193 (R.S.), Sta. 8+125 – Sta. 8+265 (L.S.), Sta. 0+000 – Sta. 070 (L.S.), Kapangan, Benguet, may be considered reasonable as evaluated subject to updating of cost/price prior to bidding based on the items of work involved and its corresponding quantities as reflected in the Approved Program of Works (POW) and Detailed Engineering Design Plan, duly approved by the OIC-District Engineer, Benguet Second District Engineering Office.

ITEM NO.	DESCRIPTION	AMOUNT (Total Cost)	PERCENT Weight (%)
<b>CW-1</b>	<b>Construction of Flood Mitigation Structure</b>		
Part B	Other General Requirements	P 1,396,543.64	9.50%
Part D	Subbase and Base Course	P 7,225,398.50	49.15%
Part I	Flood and River Control and Drainage		
Part I-A	Plain Reinforced Structures	P 1,187,305.40	8.08%
Part I-2	Plain Reinforced Structures	P 4,890,762.38	33.27%
	<b>GRAND TOTAL</b>	<b>P 14,700,009.92</b>	<b>100.00%</b>

$$\text{Cost per lineal meter} = \frac{\text{P13,303,466.28}}{278 \text{ lineal meters}} = \text{P47,854.20 /lineal meter}$$

(Except Part B)



The estimated cost of P47,854.20 per lineal meter of structure is primarily attributed to the construction of 178-meter length of stone masonry with reinforced concrete armor, which accounts for 90.50% of the total project cost. Since these are the major items of work for the project, it is considered reasonable as the unit costs of the items involved are within the prevailing cost range of the Department.



**ALLAN S. BORRROMEO, CESO III**  
Director, Bureau of Construction

cc: Undersecretary ADOR G. CANLAS, CESO IV, for Technical Services and Information Management Service

6.1.1 FDF|CBC|JTS  
05022024 Modification Benguet 2nd.docx  
Ref. No. BOC- 6.1-336-5301/6.1.1-250-01



Republic of the Philippines  
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
**BENGUET 2<sup>ND</sup> DISTRICT ENGINEERING OFFICE**  
Natubleng, Buguias, Benguet, Cordillera Administrative Region



March 22, 2024

**MEMORANDUM**

**FOR** : **KHADAFFY D. TANGGOL**  
Regional Director

**THRU** : **ANGELITA B. MABITAZAN**  
Chief, Planning and Design Division

**SUBJECT** : **Submission of Requirements for FY 2024 Modification of the project, Network Development - Off-Carriageway Improvement - Secondary Roads along Baguio-Bontoc Rd - K0317+320 - K0317+639, K0317+750 - K0318+100, K0318+700 - K0319+200**

Respectfully submitting the requirements for the modification of the FY 2024 project: "Network Development - Off-Carriageway Improvement - Secondary Roads along Baguio-Bontoc Rd - K0317+320 - K0317+639, K0317+750 - K0318+100, K0318+700 - K0319+200" for your endorsement.

FROM			TO		
Project Description					
UACS No. : 310208100584000 Project ID : P00800274LZ					
Network Development - Off-Carriageway Improvement - Secondary Roads			Network Development - Off-Carriageway Improvement - Secondary Roads		
Baguio-Bontoc Rd - K0317+320 - K0317+639, K0317+750 - K0318+100, K0318+700 - K0319+200			Baguio-Bontoc Rd – K0327+250 – K0327+700		
Physical Target	Unit Cost	Allocation	Physical Target	Unit Cost	Allocation
CW-1: Off-Carriageway Improvement: Paving of Shoulders			CW-1: Off-Carriageway Improvement: Paving of Shoulders		
5,215.5 sq.m.	₱ 2,051.13	₱ 10,697,680.00	1,853.6 sq.m.	₱ 3,261.94	₱ 6,046,329.00
			CW-2: Construction of Road Slope Protection Structure		
			488 sq.m.	₱ 9,531.46	₱ 4,681,352.00
EAO (2%)		₱ 218,320.00	EAO (2%)		₱ 218,320.00
TOTAL		₱ 10,916,000.00	TOTAL		₱ 10,916,000.00

For your review.

**REX K. OYA-OY**  
OIC - District Engineer

CAR.17.1/VBC/LDR/EPM



## Tables for Modification Request Form

### A. GENERAL

<b>1. REGION</b> Cordillera Administrative Region	<b>2. DEO</b> Benguet Second District Engineering Office	<b>3. LEGISLATIVE DISTRICT</b> BENGUET (LONE DISTRICT)
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### B. ORIGINAL PROJECT

**4. UACS** (Unified Account Code Structure as defined in GAA)  
310208100584000.

**5. Project Id**  
P00800274LZ

**6. Project Category**  
OO1: Ensure Safe and Reliable National Road System

**7. Sub-Program (P/A/P)**  
Network Development - Off-Carriageway Improvement - Secondary Roads

**8. Operating Unit**  
Benguet Second District Engineering Office

**9. Type of Work** (Enter Details for all Components below)

Component ID	Type of Work
CW1	Off-Carriageway Improvement: Paving of Shoulders

**10. PROJECT DESCRIPTION** (as recorded in GAA)  
Baguio-Bontoc Rd - K0317 + 320 - K0317 + 639, K0317 + 750 - K0318 + 100, K0318 + 700 - K0319 + 200

**11. ALLOTMENT (P'000)** (as recorded in GAA)  
10,916

**12. PHYSICAL TARGET** (Enter Details for all Components below)

Component ID	Target	Target Unit
CW1	5215.5	Square Meters (m2)

**13. UNIT COST** (Enter Details for all Components below)

Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)
CW1	10,697.68	2.05113
EAO	218.32	

**14. PROJECT WORK LOCATION** (Must be defined in strict accordance with DO 65 Series 2014)

Start X	End X

Start Y	End Y

**15. ROAD CLASSIFICATION** (if applicable)

### C. PROPOSED REVISED PROJECT

**18. Operating Unit** (Change subject to DBM approval)  
Benguet Second District Engineering Office

**19. Type of Work** (Enter Details for all Components below)

Component ID	Type of Work
CW1	Off-Carriageway Improvement: Paving of Shoulders
CW2	Construction of Road Slope Protection Structure

**20. PROJECT DESCRIPTION** (of the revised project)  
Baguio-Bontoc Rd - K0327+250 - K0327+700

**21. REVISED ESTIMATED COST (P'000)** (Equal to, or lower than GAA allotment)  
10,916

**22. CAF** (To be obtained from Financial Management office)  
☒ YES

**23. PHYSICAL TARGET** (Enter Details for all Components below)

Component ID	Target	Target Unit
CW1	1,853.6	Square Meters (m2)
CW2	488	Square Meters (m2)

**24. UNIT COST** (Enter Details for all Components below)

Component ID	Component Cost (P'000)	Target Unit Cost (P'000/Target Unit)
CW1	6,046.32900	3.26194
CW2	4,651.35100	9.53146
EAO	218.32	

**25. PROJECT WORK LOCATION** (Must be defined in strict accordance with DO 65 Series 2014. Also complete "ANNEX A" for National Road projects under OO-1)

Start X	End X

Start Y	End Y

**26. ROAD CLASSIFICATION** (if applicable)

## Tables for Modification Request Form

Secondary Road

Secondary Road

**16. IMPLEMENTING OFFICE** (Record the Implementing Office of the original project)

**27. IMPLEMENTING OFFICE** (Record the Implementing Office of the proposed revised project)

Benguet Second District Engineering Office

Benguet Second District Engineering Office

**17. PROJECT IMPLEMENTATION PLAN (PIP)**

**28. PROJECT IMPLEMENTATION PLAN (PIP)**

**Planned Start Date**

**Planned End Date**

**Planned Start Date**

**Planned End Date**

05/29/2024

09/01/2024

05/29/2024

09/01/2024

**29. OVERLAP?**

☒ NO ☐ YES

**30. UNDER WARRANTY?**

☒ NO ☐ YES

### D. ATTACHMENTS & JUSTIFICATIONS

**31. PROJECT IMPACT ANALYSIS ATTACHED?** (For Flood Control Projects)

☐ NO ☐ YES ☒ N/A

**32. TECHNICAL JUSTIFICATION** (Explain in detail in Bullet point format; minimum of 2 points)

The change in station limits, and the decrease in physical target for CW1 – Off-Carriageway Improvement: Paving of Shoulders from 5,215.5 square meters to 1,853.6 square meters and the addition of a new component, CW2 – Construction of Road Slope Protection Structure are due to the following:

- The change in station limit was deemed necessary to prioritize K0327+250 – K0327+700 which was observed to have frequent vehicular accidents. The said section is both a sharp and a blind curve with a small turning radius, making it hard for big trucks to maneuver and for drivers who are unfamiliar with the topography of the area since their visibility of incoming traffic is obstructed by the existing seedling nursery structures along the road, thus, the need for an off-carriageway improvement that will help reduce these risks and which will also serve as an alternate route/detour. This change consequently caused the decrease in the physical target.
- The addition of another component, CW2 – Construction of Road Slope Protection Structure, was deemed necessary due to the need to introduce a Road Slope Protection Structures to prevent settlement and to fortify the adjacent slope where the proposed shoulder is to be constructed.
- The increase in the unit cost is brought upon by the need to include the reconstruction of the adjacent damaged PCCP to optimize the lifespan of the off-carriageway structure, and to lengthen and rehabilitate the nearby existing drainage structures to prevent the recurrence of flooding in the area.
- The derived unit cost is based on the approved Program of Work (POW) with Detailed Unit Price Analysis (DUPA). Furthermore, the unit cost has been evaluated and reviewed by the Bureau of Construction (BOC). See attached evaluation dated May 2, 2024 from the Bureau of Construction.
- See attached Certificate of Reasonableness of Estimates approved by the Regional Director.

Attached are the following supporting documents: Approved Program of Works (POW), Detailed Engineering Design (DED), Certificate of Availability of Funds, BP202, Geotagged Photos, GIS Map, Evaluation from the Bureau of Construction, and Certificate of Reasonableness of Unit Cost.

**33. PHOTOS SUBMITTED**

☐ NO ☒ YES

**34. A MAP OF THE PROPOSED PROJECT WORK LOCATION SUBMITTED**

☐ NO ☒ YES



## Tables for Modification Request Form

### 35. PREPARED BY:

Name:

  
VANESSA B. CHAN

Position: Engineer II

Office:

Benguet 2nd District Engineering Office

Date:

### 36. REVIEWED BY DISTRICT OFFICE (If Required)

Name:

  
LAWRENCE D. ROMERO

Position:

OIC - Chief, Planning and Design Section

Date:

### 38. REVIEWED BY REGIONAL OFFICE

Name:

  
ANGELITA B. MABITAZAN

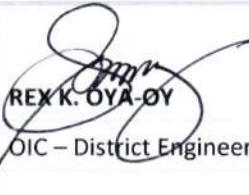
Position:

Chief, Planning and Design Division

Date:

### 37. RECOMMENDED BY DISTRICT OFFICE (If Required)

Name:

  
REX K. OYA-OY

Position:

OIC - District Engineer

Date:

### 39. RECOMMENDED BY REGIONAL OFFICE

Name:

  
KHADAFY D. TANGGOL

Position:

Regional Director

Date:

## Tables for Modification Request Form

**UACS** (Unified Account Code Structure as defined in GAA)

310208100584000

**Project Id**

P00800274LZ

### 40. DPWH OFFICE OF THE UNDERSECRETARIES FOR OPERATIONS

**Primary Reason for Request (based on Category of Modification):** (choose one)

Category A	Category B	Category C	Category D	Impact
<input type="checkbox"/> Typographical error on Project Description	<input type="checkbox"/> Overlapping Sections <input type="checkbox"/> Change in Station Limits <input type="checkbox"/> Change in Physical Target	<input type="checkbox"/> No such Barangay <input type="checkbox"/> No such City or Municipality	<input type="checkbox"/> Change in (IO), requiring a change in the (OU)	<input type="checkbox"/> No change or decrease in unit cost <input type="checkbox"/> 20% or less increase in unit cost <input type="checkbox"/> > 20% increase in unit cost

Reviewed by Office of the Undersecretary for Operations

<b>Name:</b>	Engr. MANUEL L. SINGSON	Engr. ANTONIO V. SOBREVINAS, JR.
<b>Signature</b>		
<b>Position:</b>	Project Manager I	Project Manager II
<b>Date:</b>	4/4/24	4/2/24

### 41. DPWH PLANNING SERVICE

**Category of Modification**

(please check the appropriate)

- ☐ Category A – Typographical Error
- ☐ Category B – Change in Station Limits
- ☐ Category C – Change in Location, due to non-existing location
- ☐ Category D – Change in Operating Unit (requires DBM approval)
- ☐ Modification does not comply with DBM Categories

Reviewed by Planning Service

<b>Name:</b>	ANNA ANDREA M. NOCHE	<b>Name:</b>	PETER PAUL R. CORTEZ
<b>Signature</b>		<b>Signature:</b>	
<b>Position:</b>	Regional Coordinator	<b>Position:</b>	OIC - Chief of Programming Division
<b>Date:</b>	5-16-24	<b>Date:</b>	



## ANNEX A: Project Work Location Details for National Roads

[illegible]